

Title (en)

Assembly for the treatment of liquids, in particular for water treatment

Title (de)

Anordnung zur Behandlung von Flüssigkeiten, insbesondere zur Wasserbehandlung

Title (fr)

Agencement de traitement de liquides, notamment de traitement de l'eau

Publication

EP 2581344 A1 20130417 (DE)

Application

EP 12184705 A 20120917

Priority

DE 202011051637 U 20111014

Abstract (en)

Arrangement (1) for treating liquids, comprises: an UV treatment device (2) and an ion treatment device (5), which are serially and successively arranged in a liquid stream to be treated; a pH-measuring cell and a photometric sensor (4), which are arranged serially and successively between the UV treatment device and the ion treatment device; and a control module (6), which is formed in a controllable manner with the data of pH measurement, the pH-value of the photometric measurement and the data of the photometric measurement of the ion treatment device. Arrangement (1) for treating liquids, comprises: an UV treatment device (2) and an ion treatment device (5), which are serially and successively arranged in a liquid stream to be treated; the pH-measuring cell and the photometric sensor (4), which are arranged serially and successively between the UV treatment device and the ion treatment device, where the sampling stream is designed in a conductive manner through the pH-measuring cell and the photometric sensor; and a control module (6), which is formed in a controllable manner with the data of pH measurement, the pH-value of the photometric measurement and the data of the photometric measurement of the ion treatment device.

Abstract (de)

Die Erfindung betrifft eine Anordnung zur Behandlung von Flüssigkeiten (1), insbesondere zur Wasserbehandlung, wobei eine UV-Behandlungsvorrichtung (2) und eine Ionenbehandlungsvorrichtung (5) in einem zu behandelnden Flüssigkeitsstrom seriell hintereinander angeordnet sind und dass zwischen der UV-Behandlungsvorrichtung (2) und der Ionenbehandlungsvorrichtung (5) parallel zum Flüssigkeitsstrom ein Probenahmestrom durch eine seriell hintereinander angeordnete pH-Messzelle (3) und ein photometrischer Sensor (4) leitbar ausgebildet ist und dass ein Steuermodul (6) vorgesehen ist, welches mit den Daten der pH-Messung den pH-Wert für die photometrische Messung und den Daten der photometrischen Messung die Ionenbehandlungsvorrichtung (5) steuerbar ausgebildet ist.

IPC 8 full level

C02F 1/00 (2006.01); **C02F 1/32** (2006.01)

CPC (source: EP)

C02F 1/008 (2013.01); **C02F 1/32** (2013.01); **C02F 1/42** (2013.01); **C02F 1/505** (2013.01); **C02F 2103/16** (2013.01); **C02F 2103/32** (2013.01); **C02F 2103/42** (2013.01); **C02F 2201/3222** (2013.01); **C02F 2209/003** (2013.01); **C02F 2209/05** (2013.01); **C02F 2209/06** (2013.01)

Citation (applicant)

- DE 102007041740 A1 20090305 - CONDUCTA ENDRESS & HAUSER [DE]
- DE 19648695 C2 19990722 - ABB PATENT GMBH [DE]
- US 4853336 A 19890801 - SAROS STEPHEN [US], et al
- EP 0245309 B1 19910710
- DE 3840103 C1 19900510

Citation (search report)

[I] WO 2010026594 A1 20100311 - UNIV RAMOT [IL], et al

Cited by

CN108862772A; CN107037730A

Designated contracting state (EPC)

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Designated extension state (EPC)

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